

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Not for submission under 37 CFR 1.99)

Application Number		10821326
Filing Date		2004-04-09
First Named Inventor	Robert M. Leach	
Art Unit	1609	
Examiner Name	Courtney A. Brown	
Attorney Docket Number	011474.00328	

**U.S. PATENTS**[Remove](#)

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	3007844		1961-11-07	Schulz	
	2	3816307		1974-06-11	Woods	
	3	3945835		1976-03-23	Clarke et al.	
	4	4058607		1977-11-15	Hennart et al.	
	5	4062991		1977-12-13	Kyte et al.	
	6	4310590		1982-01-12	Peligara	
	7	4313976		1982-02-02	Leach	
	8	4622248		1986-11-11	Leach et al.	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10821326
Filing Date	2004-04-09
First Named Inventor	Robert M. Leach
Art Unit	1609
Examiner Name	Courtney A. Brown
Attorney Docket Number	011474.00328

9	RE32329		1987-01-13	Paszner	
10	4649065		1987-03-10	Hein et al.	
11	4663364		1987-05-05	Iwasaki et al.	
12	4741971		1988-05-03	Beck	
13	4923894		1990-05-08	Kanda et al.	
14	5196407		1993-03-23	Goletz et al.	
15	5277979		1994-01-11	Kielbania, Jr. et al.	
16	5304376		1994-04-19	Friedrichs et al.	
17	5342438		1994-08-30	West	
18	5424077		1995-06-13	Lajoie	
19	5536305		1996-07-16	Yu et al.	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10821326
Filing Date	2004-04-09
First Named Inventor	Robert M. Leach
Art Unit	1609
Examiner Name	Courtney A. Brown
Attorney Docket Number	011474.00328

20	5552378		1996-09-03	Trinh et al.	
21	5635217		1997-06-03	Goettsche et al.	
22	5714507		1998-02-03	Valcke et al.	
23	5874476		1999-02-23	Hsu et al.	
24	5874025		1999-02-23	Heuer et al.	
25	5972266		1999-10-26	Fookes	
26	6110263		2000-08-29	Goettsche et al.	
27	6274199	B1	2001-08-14	Preston et al.	
28	6352583	B1	2002-03-05	Goettsche et al.	
29	6503306	B1	2003-01-07	Watkins	
30	6541038	B1	2003-04-01	Tanaka et al.	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10821326
Filing Date	2004-04-09
First Named Inventor	Robert M. Leach
Art Unit	1609
Examiner Name	Courtney A. Brown
Attorney Docket Number	011474.00328

31	6576661	B1	2003-06-10	Brück et al.	
32	6849276	B2	2005-02-01	Dufau et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

**U.S. PATENT APPLICATION PUBLICATIONS**

Remove

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20020128367	A1	2002-09-12	Daisey, Jr. et al.	
	2	20040258767	A1	2004-12-23	Leach	

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

**FOREIGN PATENT DOCUMENTS**

Remove

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> j	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	S62-39201	JP		1987-02-20	Matsushita Electric Work, Ltd.		<input checked="" type="checkbox"/>
	2	S62-116102	JP		1987-05-27	Matsushita Electric Work, Ltd.		<input checked="" type="checkbox"/>
	3	2000-102907	JP		2000-04-11	Takahashi Kikan KK		<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10821326
Filing Date	2004-04-09
First Named Inventor	Robert M. Leach
Art Unit	1609
Examiner Name	Courtney A. Brown
Attorney Docket Number	011474.00328

4	10-272610	JP		1998-10-13	Kyodo Kumiai Bio Railtoyuugou		<input type="checkbox"/>
5	10-26401	JP		1989-01-27	Katsube		<input type="checkbox"/>
6	61-246002	JP		1986-11-01	Matsushita Electric Works Ltd		<input checked="" type="checkbox"/>
7	61-244502	JP		1986-10-30	Matsushita Electric Works Ltd.		<input checked="" type="checkbox"/>
8	1 491 330	GB		1977-11-09	Imperial Group Limited		<input type="checkbox"/>
9	0 472 973	EP	A1	1992-03-04	PPG Industries Inc.		<input type="checkbox"/>
10	1 034 903	EP	A1	2000-09-13	Showa Denko Kabushiki Kaisha		<input type="checkbox"/>
11	41 12 652	DE	A1	1992-10-22	Dr. Wolman GmbH		<input type="checkbox"/>
12	2103470	CA		1994-08-05	West		<input type="checkbox"/>
13	379 167	SE		1975-09-29	Svenska BP AB		<input checked="" type="checkbox"/>
14	00/24528	WO		2000-05-04	E.I. Du Pont De Nemours and Company		<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Not for submission under 37 CFR 1.99)

Application Number	10821326
Filing Date	2004-04-09
First Named Inventor	Robert M. Leach
Art Unit	1609
Examiner Name	Courtney A. Brown
Attorney Docket Number	011474.00328

15	00/24259	WO		2000-05-04	Action Pin		<input checked="" type="checkbox"/>
16	00/78281	WO		2000-12-28	The Proctor & Gamble Company		<input type="checkbox"/>
17	85/00040	WO		1985-01-03	Koppers Australia Pty. Ltd.		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	LIU, Y. et al.; "Use of Nanoparticles for the Controlled Release of Biocides in Pressure-Treated Solid Wood"; Polymer Preprints 38(2), 1997, pp. 624-625.	<input type="checkbox"/>
	2	LIU, Y. et al.; Michigan Technical Univ., Dept of Chemistry, Houghton, MI; "Use of Polymeric Nanoparticles for Controlled Release of Biocides in Solid Wood"; Materials Research Society Symposium Proceedings Series; 1998; Volume 550, Abstract GG3.4.	<input type="checkbox"/>
	3	LIU, Y.; "Use of Polymer Nanoparticles as Carriers for the Controlled release of Biocides in Solid Wood"; Ph. D. Dissertation of Yong Liu; Michigan Technological University, Houghton, MI, 1999.	<input type="checkbox"/>
	4	LIU, Y. et al.; "Use of Nanoparticles for Controlled Release of Biocides in Solid Wood"; Journal of Applied Polymer Science, vol. 79, 2001, pp. 458-465.	<input type="checkbox"/>
	5	LIDE, "Characteristics of Particles and Particle Dispersoids"; Handbook of Chemistry and Physics, 75th Edition, 1994, Florida: CRC Press, pp. 15-38.	<input type="checkbox"/>
	6	SHAW; www.fda.gov/ohrms/dockets/ac/01/slides/3763s2_09_shaw.ppt; 2001.	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10821326
Filing Date	2004-04-09
First Named Inventor	Robert M. Leach
Art Unit	1609
Examiner Name	Courtney A. Brown
Attorney Docket Number	011474.00328

7	International Society of Soil Science. ( <a href="http://www.days.org.au/mins.htm">http://www.days.org.au/mins.htm</a> )	<input type="checkbox"/>
8	Hawley's Condensed Chemical Dictionary, 14th edition; John Wiley & Sons, Inc., 2001, p 86.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10821326
Filing Date	2004-04-09
First Named Inventor	Robert M. Leach
Art Unit	1609
Examiner Name	Courtney A. Brown
Attorney Docket Number	011474.00328

**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/rachel s. watt/	Date (YYYY-MM-DD)	2007-05-04
Name/Print	Rachel S. Watt	Registration Number	46,186

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**



## Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.